LABDEX

Reciprocal Water Bath Shaker
LX100RWS

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Description

Reciprocal Water Bath Shaker LX100RWS is a benchtop type shaking water bath and comes with P.I.D. environmental scanning microprocessor controller and LCD display to show set and working parameters. The outer chamber is made up of powder coated mild steel with sloped lid cover to minimize heat loss and evaporation and the inner chamber, tray, spring and flask holder is made up of stainless steel. Came with features like dual over-temperature protection with automatic heating cut-off in case of low water level/over temperature for heating parts or sample over-temperature. Mainly used in germ culture, ferment, hybridization, and research of biochemical reaction, enzyme and cellular tissue and all those needed high temperature and oscillation frequency.

Specifications

Control	P.I.D. (Environmental Scanning Microprocessor)
Capacity	46 L
Display	LCD (Simultaneous display of set and working parameters)
Convection mode	Forced convection
Oscillation mode	Linear reciprocating
Drive	Suspension orbit drive
Speed range	20-200rpm
Speed accuracy	±1rpm
Oscillation amplitude	Φ25mm
Flask tray size	430 x 320 x 10 mm (optional)
Spring tray size	440 x 320 x 60 mm (standard)

Timing range	0-999.59 hr
Temp. control range	RT~100℃
Temp. control accuracy	±0.1℃ (Constant temperature status)
Temp. uniformity	≤±0.2℃
Tray number	1 Pcs
Power	2000 W
Power supply	AC 200-240V/50-60Hz; AC110V/60Hz
Chamber size (D x W x H)	510 x 380 x 240 mm
Overall dimensions	760 x 508 x 388 mm
Net weight	60 kg
Packing dimensions	810 x 560 x 490 mm
Gross weight	70 kg

Features

- Built-in LCD display, Alarms function and P.I.D. Environmental Scanning Microprocessor controller
- Speed range extensible to 20-200rpm and timer up to 999.59 hours
- It has drainage valve on the left side for water draining, cleaning and sterilization
- Designed with suspension orbit drive technology and dry heating prevention
- Operating parameter memory function avoids monotonous operations, automatic stop of heating and alarm is activated when working temperature deviates from the set value by 3℃

- Automatic stop at the end of timing with acoustic and visual alarm is activated
- Repeat, increment (step) and 8-segment adjustable programs for settings of different speed
- Power failure memory recovery retains preset parameters during a power failure and restarts unit automatically after the power is restored

Applications

- Reciprocal Water Bath Shaker used in germ culture, ferment, hybridization, and research of biochemical reaction, enzyme and cellular tissue, pharmaceutical industries etc.

Standard Accessories

- Universal spring tray x 1 Pcs

Optional Accessories

- Flask shaking platform
- Flask clamps
- Sticky pad
- Tube rack
- Microplate rack

Configuration

Flask specification	Maximum capacity
250 ml	14
500 ml	9
1000 ml	6

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